

Claims

Claims 1-20 (cancelled)

21. (previously presented) A method comprising:
providing a chalcogenide vapor comprising As and chalcogen in a molar ratio of X,
wherein X is between about 1:19 and about 3:4; and
growing substantially amorphous chalcogenide nanowires on a preselected portion of a
substrate exposed to the chalcogenide vapor wherein the chalcogenide nanowires have a molar
ratio of As to chalcogen within about 10% of X, and wherein the chalcogenide nanowires are
grown on an optical fiber.

22. (original) The method of claim 21 wherein the optical fiber is substantially
transparent to infrared light.

Claims 23-44 (cancelled)

45. (previously presented) A method comprising:
providing microscale structures on an implant by subliming a material to provide a vapor
phase and depositing the vapor phase onto a surface of the implant such that microscale
structures of the vapor phase are formed on a preselected portion of the implant wherein the
structures comprise micro-crystals and wherein the micro-crystals comprise As_2O_3 .